

State Water Resources Control Board

Division of Drinking Water

February 6, 2015
System No.: 1610700

Commander Kevin Norton
Lemoore Naval Air Station
Building 750, Enterprise Ave. Room 107
Lemoore, CA 93246

RE: Citation No. 03-12-15C-002
Violation of Surface Water Treatment Rule, California Code of Regulations, Section 64653
(c)(1) and 64664(e)
For November 2014

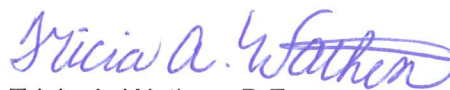
Commander Norton:

The State Water Resources Control Board – Division of Drinking Water (Division) has issued Citation No. 03-12-15C-002, for violation of the Surface Water Treatment Rule, California Code of Regulations (CCR), Title 22 Section 64653(c)(1) and 64664(e). The Citation is enclosed.

Lemoore Naval Air Station will be billed at the Division's hourly rate (currently estimated at \$126.00) for the time spent on issuing this Compliance Order. The California Health and Safety Code Section 116577 provides that a public water system must reimburse the Division for actual costs incurred by the Division for specified enforcement actions, including but not limited to, preparing, issuing and monitoring compliance with a compliance order. At this time, the Division has spent approximately two hours on enforcement activities associated with this violation.

If you have any questions regarding this matter, please contact me at (559) 447-3300.

Sincerely,



Tricia A. Wathen, P.E.
Senior Sanitary Engineer, Visalia District
SOUTHERN CALIFORNIA BRANCH
DRINKING WATER FIELD OPERATIONS

TAW/ss

Enclosures: Citation & Attachments

cc: Kings County Environmental Health Department
Ms. Kim Rasmussen
Mr. Kumar Desilva

STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

IN RE: **Lemoore Naval Air Station**
WATER SYSTEM NO. 1610700

TO: Commander Kevin Norton
Lemoore Naval Air Station
Building 750, Enterprise Ave. Room 107
Lemoore, CA 93246

CC: Mr. Kumar Desilva
Ms. Kim Rasmussen

CITATION FOR VIOLATION OF
THE CALIFORNIA CODE OF REGULATIONS, TITLE 22,
SURFACE WATER TREATMENT RULE
SECTION 64653(c)(1) and 64664(e), November 2014

Issued on February 6, 2015

Section 116650, Chapter 4, Part 12, Division 104 of the California Health and Safety Code (CHSC), authorizes the issuance of a citation for failure to comply with a requirement of the California Safe Drinking Water Act (hereinafter "California SDWA"), or any regulation, standard, permit, or order issued or adopted thereunder.

The State Water Resources Control Board (hereinafter "State Board"), acting by and through its Division of Drinking Water (hereinafter "Division") and the Deputy Director for the Division (hereinafter "Deputy Director"), hereby issues a Citation to the Lemoore Naval Air Station (hereinafter "LNAS"), for failure to comply with Section 64653(c)(1) of Title 22, California Code of Regulations (hereinafter "CCR"). Specifically, LNAS (mailing address:

1 Building 750, Enterprise Ave. Room 107 Lemoore, CA 93246) failed to comply with the
2 turbidity standard (0.3 NTU) in 95% of the measurements taken during the month of
3 November 2014.

4 APPLICABLE AUTHORITIES

5 The applicable statues and regulations are provided in Appendix A, attached hereto and
6 incorporated by reference.
7

8 STATEMENT OF FACTS

9
10 LNAS operates under Domestic Water Supply Permit No. 03-12-01P-002, issued by the
11 Division on October 26, 2001. LNAS is classified as a community water system serving a
12 reported residential population of approximately 11,500 persons through 1,799 service
13 connections. LNAS utilizes raw surface water from the California Aqueduct and
14 groundwater from Admin Well No. 7 as the sources of supply. The raw surface water is
15 blended with the groundwater from Admin Well No. 7 and is then treated by means of a
16 conventional surface water treatment plant with processes that include: coagulation,
17 flocculation, sedimentation, filtration, and disinfection.
18

19 For a supplier that uses conventional or direct filtration treatment and serves 10,000 or
20 more persons, the turbidity level of the combined filter effluent shall be less than or equal to
21 0.3 NTU in at least 95 percent of the measurements taken each month. During the month
22 of November 2014, there were a total of sixty five (65) four hour measurements taken for
23 the treated water turbidities. Of which, five (5) were greater than the 0.3 NTU performance
24 standard. Therefore, the 95th percentile during the month was 0.565 NTU.
25
26
27

DETERMINATION

1 Title 22, CCR, Section 64653(c)(1) specifies that each supplier using an approved surface
2 water source shall comply with the combined filter effluent turbidity performance standards
3 for each treatment plant in operation. For the month of November, LNAS reported a 95th
4 percentile turbidity of all treated water turbidity readings of 0.565 NTU. During this time, the
5 plants continuous turbidimeter readings indicated that the raw turbidity levels ranged from
6 0.14 NTU to 0.58 NTU and filter effluent turbidity levels ranged from 0.05 NTU to 0.9 NTU.
7
8 The Division became aware of this violation on December 26, 2014 when the hard copy of
9 the Monthly Summary of Monitoring for Surface Water Regulations was received, the
10 report is dated December 18, 2014. During month of November, LNAS failed to provide
11 turbidity reduction required to indicate adequate removal of 2.5-log for *Giardia lamblia*
12 cysts, 2.0-log for viruses and 1.0-log for Cryptosporidium.

13
14 Section 64664(e) requires that LNAS notify the Division of any violation of performance
15 standards. LNAS requested an extension for the submittal of the Monthly Surface Water
16 Treatment Report from December 10th to December 19th, the extension was granted by the
17 Visalia District. However, LNAS did not make the Division aware of the violation before or
18 when the extension was requested and granted. The Division reviewed the report and
19 determined that there was a violation during the month of November 2015.

20
21 Section 64666(a) requires a surface water system to notify its consumers whenever there
22 is a failure to comply with the treatment requirements specified in Sections 64652 and
23 64654. Public notification for violations of Sections 64652 and 64654 of the SWTR is
24 included in Attachment A. Proof of Public Notification (Attachment B) must be submitted to
25 the Division within ten (10) days of disseminating Attachment A. LNAS must either mail or
26 hand-deliver the notice to all of its customers.
27

DIRECTIVES

To ensure that the water supplied by LNAS is at all times safe, wholesome, healthful, and potable, and pursuant to the California SDWA, the Lemoore Naval Air Station is hereby directed to take the following actions:

1. LNAS shall submit a written report to the Division by **March 31, 2015**, describing:
 - (a) the cause of the failure to provide adequate pathogen turbidity removal, as measured using the 95th percentile of measurements, and any corrective actions taken, and
 - (b) any necessary operational changes that will be made to prevent future tur failures.
2. LNAS shall provide public notification to all customers by mail or hand-delivery by **March 1, 2015**, informing them that the water did not meet the disinfection treatment requirements of the SWTR during the month of November 2014. The public notification is included in Attachment A.
3. LNAS shall provide proof of publication of the notification to the Division by **April 10, 2015**. A copy of this form is included as Attachment B.
4. All submittals required by this Citation shall be addressed to:

Tricia A. Wathen, P.E.,
Senior Sanitary Engineer – Visalia District
State Water Resources Control Board
Division of Drinking Water
265 W. Bullard Avenue, Suite 101
Fresno, CA 93704

PARTIES BOUND

This Compliance Order shall apply to and be binding upon the Lemoore Naval Air Station, its owners, shareholders, officers, directors, agents, employees, contractors, successors, and assignees.

1 SEVERABILITY

2 The directives of this Compliance Order are severable, and Lemoore Naval Air Station shall
3 comply with each and every provision thereof notwithstanding the effectiveness of any
4 provision.
5

6 FURTHER ENFORCEMENT ACTION

7
8 The California SDWA authorizes the Division to issue citations and compliance orders with
9 assessment of administrative penalties to a public water system for violation or continued
10 violation of the requirements of the California SDWA or any permit, regulation, permit or
11 order issued or adopted thereunder including, but not limited to, failure to correct a violation
12 identified in a citation or compliance order. The California SDWA also authorizes the
13 Division to take action to suspend or revoke a permit that has been issued to a public water
14 system if the system has violated applicable law or regulations or has failed to comply with
15 an order of the Division; and to petition the superior court to take various enforcement
16 measures against a public water system that has failed to comply with an order of the
17 Division. The Division does not waive any further enforcement action by issuance of this
18 compliance order.
19
20
21
22

23 February 6, 2015
24 Date

23 Tricia A. Wathen
24 Tricia A. Wathen, P.E.
25 Senior Sanitary Engineer – Visalia District
26 State Water Resources Control Board
27 Division of Drinking Water

TAW/SS

Attachments:

Attachment A: Public Notification Form
Attachment B: Proof of Notification Form



Appendix A

Applicable Statutes and Regulations for Citation No. 03-12-15C-002

Section 116650, California SDWA, states in relevant part:

§116650. Citations.

(a) If the department determines that a public water system is in violation of this chapter or any regulation, permit, standard, citation, or order issued or adopted thereunder, the department may issue a citation to the public water system. The citation shall be served upon the public water system personally or by certified mail. Service shall be deemed effective as of the date of personal service or the date of receipt of the certified mail. If a person to whom a citation is directed refuses to accept delivery of the certified mail, the date of service shall be deemed to be the date of mailing.

(b) Each citation shall be in writing and shall describe the nature of the violation or violations, including a reference to the statutory provision, standard, order, citation, permit, or regulation alleged to have been violated.

(c) A citation may specify a date for elimination or correction of the condition constituting the violation.

(d) A citation may include the assessment of a penalty as specified in subdivision (e).

(e) The department may assess a penalty in an amount not to exceed one thousand dollars (\$1,000) per day for each day that a violation occurred, and for each day that a violation continues to occur. A separate penalty may be assessed for each violation.

Section 64653 of Title 22, California Code of Regulations (CCR) states in relevant part:

§64653. Filtration.

(a) All approved surface water utilized by a supplier shall be treated using one of the following filtration technologies unless an alternative process has been approved by the Department pursuant to subsections (e), (f), (g) and (h):

- (1) Conventional filtration treatment;
- (2) Direct filtration treatment;
- (3) Diatomaceous earth filtration; or
- (4) Slow sand filtration.

(b) Conventional filtration treatment shall be deemed to be capable of achieving at least 99.7 percent removal of *Giardia lamblia* cysts, 99 percent removal of viruses, and 99 percent removal of *Cryptosporidium* when in compliance with operating criteria specified in section 64660 and performance standards specified in table 64653. Direct filtration treatment, diatomaceous earth filtration, and slow sand filtration shall be deemed to be capable of achieving at least 99 percent removal of *Giardia lamblia* cysts, 90 percent removal of viruses, and 99 percent removal of *Cryptosporidium* when in compliance with operating criteria specified in section 64660 and performance standards specified in table 64653.

(c) A supplier shall comply with the combined filter effluent turbidity performance standards in table 64653 for each treatment plant while the plant is in operation:

Table 64653
Combined Filter Effluent Turbidity Performance Standards^(a)

<i>If a supplier uses...</i>	<i>The turbidity level of the combined filter effluent...</i>
(1) Conventional or direct filtration treatment and serves 10,000 or more persons	(A) Shall be less than or equal to 0.3 NTU in at least 95 percent of the measurements taken each month; (B) Shall not exceed 1 NTU for more than one continuous hour; (C) Shall not exceed 1 NTU at four-hour intervals; and (D) Shall not exceed 1.0 NTU for more than eight consecutive hours.
(2) Conventional or direct filtration treatment and serves fewer than 10,000 persons	(A) Shall be less than or equal to 0.3 NTU in at least 95 percent of the measurements taken each month; (B) For a supplier using a grab sample monitoring program: <ol style="list-style-type: none">1. Shall not exceed 1 NTU; and2. Shall not exceed 1.0 NTU in more than two consecutive samples; and

IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Este informe contiene información muy importante sobre su agua potable.
Tradúzcalo o hable con alguien que lo entienda bien.

Lemoore Naval Air Station
Did Not Meet Treatment Requirement (Turbidity)

Our water system recently failed a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what you should do, what happened, and what we did to correct this situation.

We routinely monitor your water for turbidity (cloudiness) which tells us whether we are effectively filtering the water supply. Water samples for November 2014, showed that 15.9% of turbidity measurements taken during the month were over 0.3 turbidity units. The standard is that no more than 5 percent of samples may exceed 0.3 turbidity units per month. The turbidity levels are relatively low. However, their persistence is a concern. Normal turbidity levels at our plant are 0.13 turbidity units.

What should I do?

- **You do not need to boil your water or take other actions.**
- This is not an emergency. If it had been you would have been notified immediately. We do not know of any contamination, and none of our testing has shown disease-causing organisms in the drinking water.
- *Turbidity has no health effects. However, high levels of turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.* These symptoms are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice.
- People with severely compromised immune systems, infants, and some elderly may be at increased risk. These people should seek advice about drinking water from their health care providers. General guidelines on ways to lessen the risk of infection by microbes are available from EPA's Safe Drinking Water Hotline at 1(800) 426-4791.
- If you have other health issues concerning the consumption of the water, you may wish to consult your doctor.

What happened? What was done?

Explain what was the cause of the turbidity violation.....

For more information, please contact _____ [name of contact] at
_____ [phone number] or _____ [mailing
address].

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools, and businesses). You can do this by posting this public notice in a public place or distributing copies by hand or mail.

This notice is being sent to you by Lemoore Naval Air Station.

State Water System ID#: 1610700. Date distributed: _____.

Certification of Completion of Public Notification

This form, when completed and returned to the Division of Drinking Water - Visalia District (265 W. Bullard Ave. #101, Fresno, CA 93704 or fax to 559-447-3304), serves as certification that public notification to water users was completed as required by Title 22, California Code of Regulations, Sections 64463-64465.

Public Water System Name: Lemoore Naval Air Station

Public Water System No.: 1610700

Public notification for failure to comply with the **Surface Water Treatment Rule (Turbidity)** was conducted on:

Notification was made on _____ (date).

To summarize report delivery used and good-faith efforts taken, please check all items below that apply and fill-in where appropriate:

☐ The notice was distributed by mail or direct delivery to each customer on: _____

One or more of the following methods were used to reach persons not likely to be reached by a mailing or direct delivery (renters, nursing home patients, prison inmates, etc.):

☐ Posted the notice at the following conspicuous locations served by the water system. (If needed, please attach a list of locations). _____

☐ Publication of the notice in a local newspaper or newsletter of general circulation (attach a copy of the published notice, including name of newspaper and date published).

☐ Posted the notice on the Internet at www. _____

☐ Other method used to notify customers. _____

I hereby certify that the above information is factual.

Certified by: Printed Name _____

Signature _____

Title _____

Date _____

DISCLOSURE: Be advised that Section 116725 and 116730 of the California Health and Safety Code state that any person who knowingly makes any false statement on any report or document submitted for the purpose of compliance with the attached order may be liable for a civil penalty not to exceed five thousand dollars (\$5,000) for separate violation for each day that violation continues. In addition, the violators may be prosecuted in criminal court and upon conviction, be punished by a fine of not more than \$25,000 for each day of violation, or be imprisoned in the county jail not to exceed one year, or by both the fine and imprisonment.

Due to the Division of Drinking Water within 10 days of notification to the public
SWTR Turbidity Violation / Enforcement Action No.: 03-12-15R-002